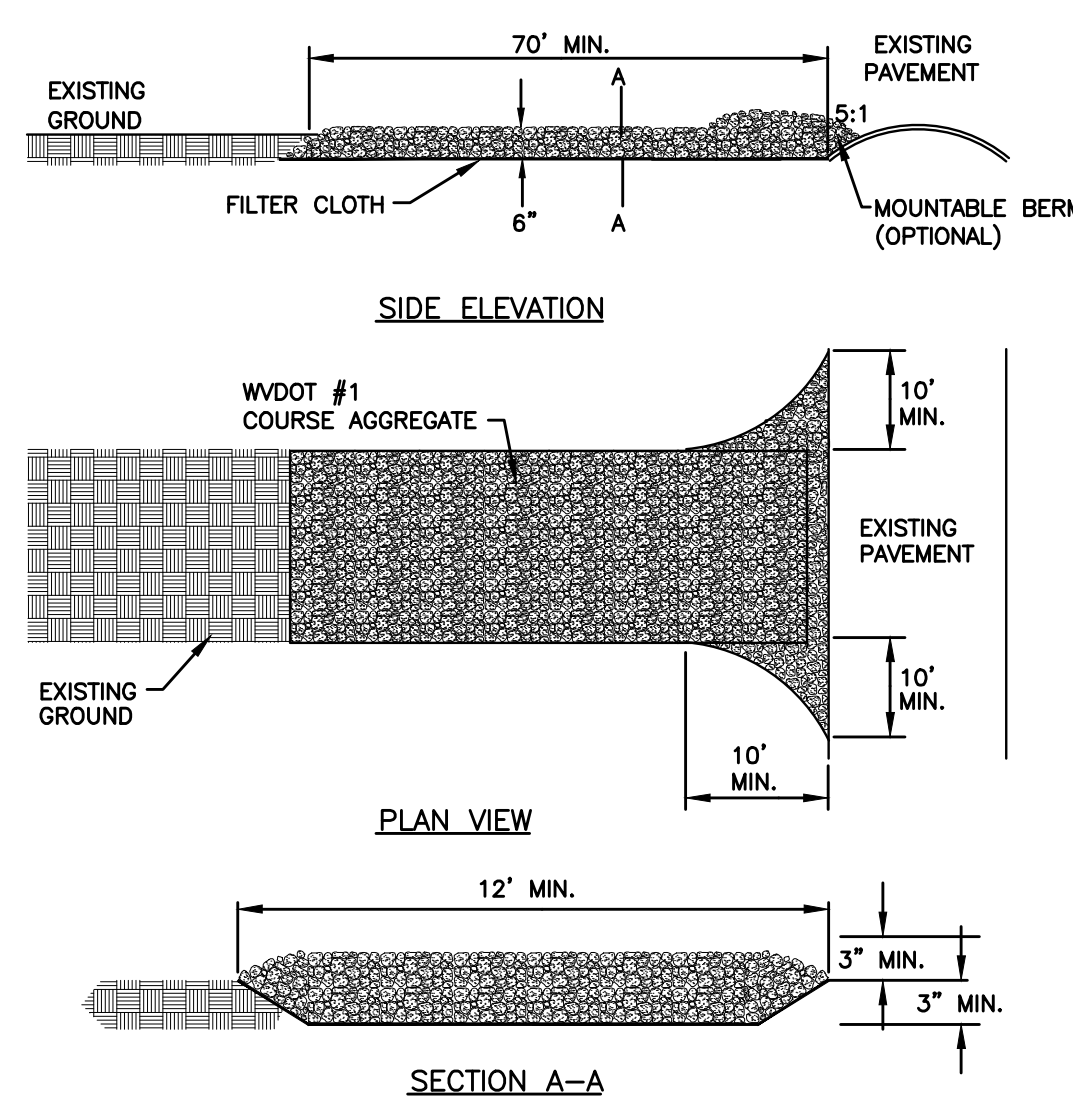


**TYPICAL SECTION -
DRAINAGE SWALE DETAIL**

NO SCALE



The drawing consists of two parts: a perspective view and a section view.

PERSPECTIVE VIEW: Shows a chain link fence with a geotextile reinforcement layer. The fence is supported by a 4x4 timber post. The geotextile layer is 1/2 inch thick and is buried 12 inches deep into the ground. The ground surface is indicated. The fence is 10' MAX. C/C (Center-to-Center) between posts. The geotextile layer is 36 inches wide. The ground surface is 36 inches above the geotextile layer. The geotextile layer is 12 inches buried depth. The ground surface is 36 inches above the geotextile layer. The fence is 10' MAX. C/C (Center-to-Center) between posts. The geotextile layer is 1/2 inch thick and is buried 12 inches deep into the ground. The ground surface is indicated. The fence is 10' MAX. C/C (Center-to-Center) between posts. The geotextile layer is 36 inches wide. The ground surface is 36 inches above the geotextile layer. The geotextile layer is 12 inches buried depth. The ground surface is 36 inches above the geotextile layer.

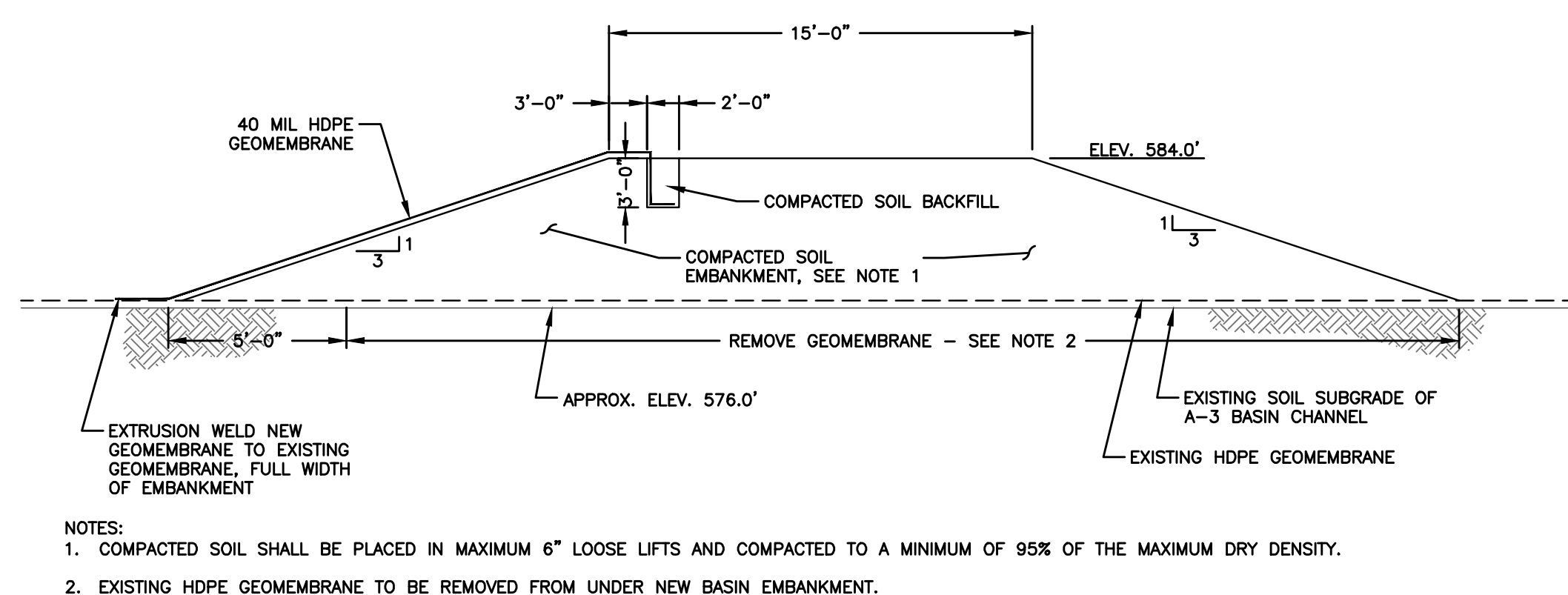
SECTION: Shows a cross-section of the fence. The fence is 48" high. The geotextile layer is 1/2 inch thick and is buried 12 inches deep into the ground. The ground surface is indicated. The fence is 10' MAX. C/C (Center-to-Center) between posts. The geotextile layer is 36 inches wide. The ground surface is 36 inches above the geotextile layer. The geotextile layer is 12 inches buried depth. The ground surface is 36 inches above the geotextile layer.

NOTES:

1. CHAIN LINK FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO CHAIN LINK FENCE WITH EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL OVERLAP BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL SHALL BE "BUILT UP" DEVELOP IN THE SILT FENCE. CHECK AFTER EACH STORM AND SEDIMENT.
5. CHAIN LINK FENCE AND GEOTEXTILE SHALL BE EMBEDDED 12 INCHES TRENCH SHALL BE BACKFILLED.
6. FENCE POSTS DO NOT NEED SET IN CONCRETE.

SUPER SILT FENCE DETAIL

NO SCALE



EXISTING GROUND
SEE NOTE NO. 3

EXISTING CONCRETE
DROP INLET,
APPROX. 6'6"

ELEV. 587.0±

EXISTING GATE VALVES
(THREE) AND VALVE STEMS
TO REMAIN IN PLACE

EXTRUSION WELD TO EXISTING
HDPE GEOMEMBRANE

EXISTING GRADE (STONE OVER
GEOTEXTILE/GEOMEMBRANE)

CMP PASSES THROUGH
GEOMEMBRANE WITH PIPE
BOOT

REMOVE STONE, GEOTEXTILE,
AND GEOMEMBRANE AS
REQUIRED

ELEV. 582.16

EXISTING HDPE
GEOMEMBRANE

OUTLET 001 SEDIMENT
BASIN PRINCIPAL
SPILLWAY

ELEV. 578.50

40 MIL HDPE
GEOMEMBRANE
BASIN LINER

CONCRETE BASE RESTS
ON GEOMEMBRANE

INV. ELEV. 575.50

EXISTING OUTLET
001 DISCHARGE
PIPE ELEV. 574.95

CUT HOLE IN EXISTING DROP
INLET TO ACCOMMODATE NEW
BARREL PIPE AND GROUT TO
FORM A WATERTIGHT SEAL

PROPOSED OUTLET 001 SEDIMENT
BASIN SUBGRADE, SEE DRAWING
NOS. 2 AND 3 FOR SUBGRADE
CONTOURS

NOTES:

1. DRAWING NOS. 2 AND 3 SHOW SUBGRADE CONTOURS FOR OUTLET 001 SEDIMENT BASIN.
2. EXISTING DROP INLET AND GATE VALVE TO REMAIN.
3. SOIL/STONE AROUND EXISTING DROP INLET SHALL BE REMOVED SUCH THAT TOP OF PERMANENT PERMEABLE COVER WILL MATCH TOP ELEVATION OF DROP INLET.
4. EXISTING CONCRETE WINGWALLS ASSOCIATED WITH DROP INLET CAN REMAIN IN PLACE.

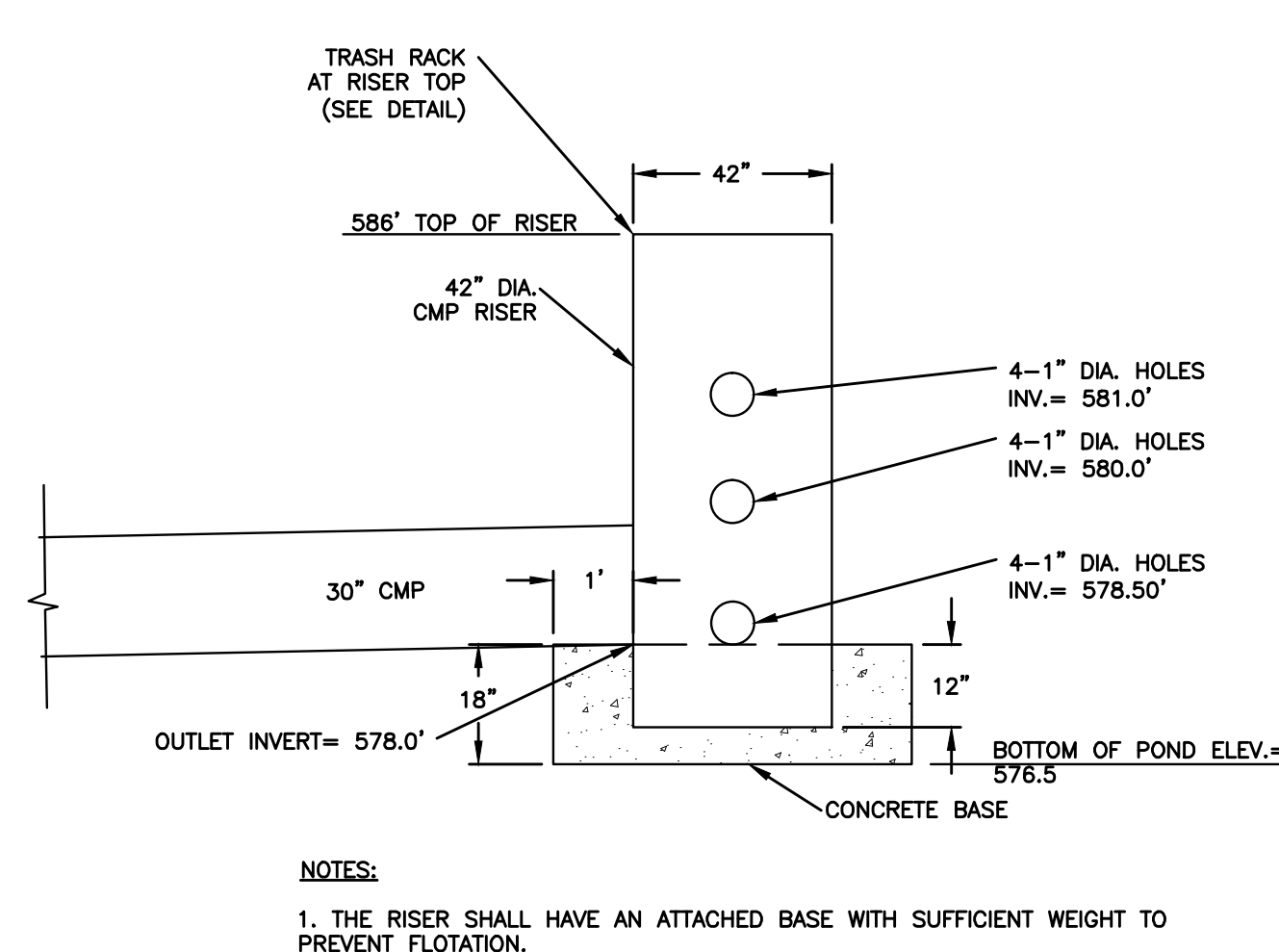
Diagram illustrating the cross-section of a slope stabilization structure. The structure consists of the following layers and components:

- ROCK RIPRAP**: The outermost layer, with a size that **VARIES 2H-1V TO 2.5H-1V**.
- 18 OZ. NONWOVEN GEOTEXTILE**: A layer beneath the riprap.
- SOIL SUBGRADE**: The natural ground beneath the geotextile.
- 18" CLEAN SOIL COVER**: A layer of clean soil above the subgrade.
- GEOTEXTILE**: A layer beneath the soil cover.

The slope angle is indicated as **VARIES 4° TO 5°**.

Diagram illustrating the cross-section of a culvert structure with various elevations and dimensions:

- TOP OF EMBANKMENT ELEV. = 584.0'
- 30° CMP PASSES THROUGH FABRICATED PIPE BOOT AND 40 MIL GEOMEMBRANE.
- TOP OF RISER ELEV. = 582.0'
- WET VOLUME ELEV. = 581.5'
- PLACE 6X6 TREATED RIPRAP SPLASH PAD AT OUTLET. DIRECT FLOW TO EXISTING RIPRAP OUTLET PROTECTION.
- 15'
- 30° CMP
- 1% SLOPE
- INV. IN. = 576.5'
- INV. IN. = 577.5'
- BOTTOM OF POND ELEV. = 576.0'
- BOTTOM OF CULVERT ELEV. = 577.5'



PLAN VIEW

48"

WELD AROUND

12"

6" MIN.

3" X 12" PLAGER BAR (TYPICAL)

SUPPORT BAR SIZE (6# REBAR MIN.)

RISER DIAMETER

SECTION A-A

ISOMETRIC

PRESSURE RELIEF HOLES 1 1/2" DIA.

TOP STIFFENER (IF REQUIRED) IS 2"x2" ANGLE WELDED TO TOP AND ORIENTED PERPENDICULAR TO CORRUGATIONS.

TOP IS CORRUGATED METAL OR 1/8" STEEL PLATE. PRESSURE RELIEF HOLES MAY BE OMITTED. IF ENDS OF CORRUGATIONS ARE LEFT FULLY OPEN WHEN THE TOP IS ATTACHED.

CYLINDER IS CORRUGATED METAL PIPE OR FABRICATED FROM 1/8" STEEL PLATE.

NOTES:

1. THE CYLINDER MUST BE FIRMLY FASTENED TO THE TOP OF THE RISER.
2. SUPPORT BARS ARE WELDED TO THE TOP OF THE RISER OR ATTACHED BY STRAPS BOLTED TO THE TOP OF THE RISER.

The figure consists of two technical drawings of a drop inlet structure. The top drawing is a 'PLAN VIEW' showing a rectangular structure with a 'WIRE SCREEN' on the left and 'CONCRETE BLOCK' on the right. The bottom drawing is a 'SIDE VIEW' showing the structure's profile with labels for 'RUNOFF WATER WITH SEDIMENT', 'OVERFLOW', 'WIRE MESH', 'CONCRETE BLOCK', and 'DROP INLET WITH GRATE'.

DROP INLET PROTECTION